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State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

January 5, 2015

Jeff Sagers
Castle Valley Stone LLC
2421 West 350 North
Hurricane, Utah 84737-2046

Subject: Third Review of Amended Notice of Intention to Commence Large Mining Operations, Castle Valley Stone LLC, Brown's Canyon Rock Quarry, M/043/0017, Salt Lake County, Utah

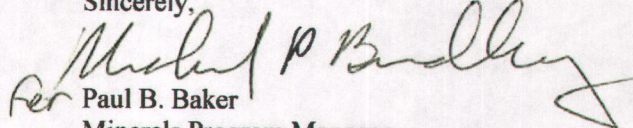
Dear Mr. Sagers:

The Division of Oil, Gas and Mining has completed a review of the referenced Notice of Intention to Commence Large Mining Operations which was received December 5, 2014. The attached comments will need to be addressed before tentative approval of the amendment may be granted.

The comments are listed under the applicable Minerals Rule heading; please format your response in a similar fashion. Please address only those items requested in the attached technical review. **Please send two complete copies.** Upon final approval, both copies will be stamped approved and one will be returned to you.

Please submit your response to this review by January 29, 2014. The Division will suspend further review until your response to this letter is received. Please contact Leslie Heppler at 801-538-5257 if you have questions about the review or if you would like to meet and discuss the review. Thank you for your cooperation in completing this permitting action.

Sincerely,


Per Paul B. Baker
Minerals Program Manager

PBB: lah: mj

Attachment: Review

c: Summit Co - Slewis@summitcounty.org

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**THIRD REVIEW OF NOTICE OF INTENTION
 TO COMMENCE LARGE MINING OPERATIONS
 Castle Valley Stone, LLC.
 Browns Canyon Rock Quarry 1
 M/043/0017
 January 5, 2015**

General Comments:

Comment #	Sheet/Page/Map/Table #	Comments	Initials	Review Action
1	General	The redline "comment" document will not be a final document that is to be stamped. After the notice is determined technically complete, the Division will ask that you submit two clean copies of the complete and corrected plan and an additional final review will be done on the clean copies.	lah	
2	General	The Division may have additional comments based on the review responses.	lah	
3	General	Add the list of Exhibits and Appendices to the Table of Contents.	lah	

105.1 - Topographic base map, boundaries, pre-act disturbance

Comment #	Sheet/Page/Map/Table #	Comments	Initials	Review Action
4	Exhibit A	As previously written "New exhibit A is great, but there is now no information land status. Please include a surface and mineral status map. Please provide missing map information. This exhibit has been changed from showing property boundaries to permit boundaries. The Division needs environmental baseline information for anything within the permit area and so suggests that the boundary designation be changed to what it was." Thank you for the above changes, but now the permit boundary has been removed, Please include the either the permit boundary (on the map) that is included in the baseline surveys or note in the text that the disturbance boundary is the same as the permit boundary on page 6 (a).	lah lah	
5	Page 6 (b)	As written "...landing strips....oil and gas pipelines." Please note in text the status of landing strips and oil and gas pipelines within 500 feet.		
6	Page 6 (b)	As written "...in brown" Both the typographic lines and the access roads are in brown. Please rewrite to "...Exhibit B shown as a brown dashed lines"	lah	
7	Page 7 & 8 Omission	As previously written "The text indicates dump locations are identified on exhibit D, but there are no dump locations noted on Exhibit D." There is a staging area that was end dumped at the access point to the property. It is unclear how the end dumped area will be reclaimed at a 3H:1V without impacting the State road culvert and the drainage. The end dumped staging area is currently 37 degrees.	lah lah	

105.2 - Surface facilities map

Comment #	Sheet/Page/Map/Table #	Comments	Initials	Review Action
8	Page 8	Previously written "Typo - As written "...1"-250'; please correct." Please rewrite as - Reclamation Treatment map Exhibit E 1"=500'	lah	

105.3 - Drawings or Cross Sections (slopes, roads, pads, etc.)

Comment #	Sheet/Page/Map/Table #	Comments	Initials	Review Action
9	Page 9 (c)	As written "Area disturbed...variance...Exhibit E" This statement is not consistent with page 26, variance "none requested." Please change text on page 9(c) to state that "the rock highwall will not be vegetated," or similar.	lah	
10	Exhibit E & Page 9 (d)	Please include the maximum height of the highwall on the cross section. Include maximum height of the highwall in the text.	lah	
11	Exhibit E	Include a cross section that is perpendicular through the angle of repose dump/staging area; include the pre-mine, post-mine and current (2014) topography lines on the cross section	lah	
12	Exhibit F	Geologic map and cross section is difficult to read due to scale; please include a readable map, cross sections and geologic description of units.	lah	

105.4 - Photographs

Comment #	Sheet/Page/Map/Table #	Comments	Initials	Review Action
13	Omission	As previously written "No photos have been included. The Division recommends including photos though this is not required. If no photos are included, please include a statement, such as "No photos have been submitted.""	lah	
	Page 9	Please include a statement "No photos have been submitted."	lah	

R647-4-106 - Operation Plan

106.2 - Type of operations conducted, mining method, onsite processing, deleterious materials

Comment #	Sheet/Page/Map/Table #	Comments	Initials	Review Action
14	Page 11 (7)	Crushing and screening has been added – equipment will need to be added to bond calculations.	lah	

106.6 - Plan for protecting & re-depositing soils

Comment #	Sheet/Page/Map/Table #	Comments	Initials	Review Action
15	Omission	Please describe how topsoil stockpiles will be protected from further impacts (i.e. signage, establishing vegetation cover, berms, etc.).	lk	

106.7 - Existing vegetation - species and amount

Comment #	Sheet/Page/Map/Table #	Comments	Initials	Review Action
16	Page 14	While there are still some concerns about the adequacy of the vegetation studies performed at the site, the Division will, for the time being, accept the assumption that vegetation cover is 50% and that the reclamation standard would therefore be 35% vegetation cover. Since this is the wrong time of the year to conduct vegetation surveys, the Division will inspect the site next field season to verify % vegetation ground cover.	lk	
17	Page 15 (b)	Text refers to Exhibit F – which is a geologic map and not photos of vegetation	lah	

R647-4-107 - Operation Practices

Comment #	Sheet/Page/Map/Table #	Comments	Initials	Review Action
18	Page 17 (a) 4)	Typo – sips should be “signs”	lah	

R647-4-112 - Variance

Comment #	Sheet/Page/Map/Table #	Comments	Initials	Review Action
19	Page 26	If Comment 9 above is addressed as described, then no variances were requested, and no response is needed.	lah	

R647-4-113 – Surety

Comment #	Sheet/Page/Map/Table #	Comments	Initials	Review Action
20		No attachment has been received. Please resubmit bond calculation based on current plan. Include crushing and screening equipment and how the dump/staging area will be regraded to 3H:1V	whw lah	